

Title (en)

Data transmission method and device simultaneously improving error protection and data integrity

Title (de)

Datenübertragungssystem mit verbessertem Fehlerschutz bei gleichzeitiger Sicherstellung der Datenintegrität

Title (fr)

Méthode et dispositif pour transmission de données améliorant simultanément la protection contre les erreurs et l'intégrité de données

Publication

EP 0718999 A3 19971001 (EN)

Application

EP 95203419 A 19951208

Priority

NL 9402103 A 19941212

Abstract (en)

[origin: EP0718999A2] The invention relates to a method for transmitting data in a processed manner on a communication channel, in which a first series (1) of data is converted into a second series (2) of data by means of a first operation (P), the second series (2) of data is transmitted on the communication channel and the second series of data is then converted into a third series (3) of data by means of a second operation (P'). Check data (4) are formed on the basis of the first series (1) and are added to the second series (2). Subsequently, the integrity of the third series (3) is checked using the check data (4). The operations may comprise, respectively, data compression and data decompression. The check data are subjected to a protection operation (S) before they are added to the second series. Preferably, the method takes place at layer 3 of the so-called OSI model. The invention furthermore provides devices for using the method. <IMAGE>

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IPC 8 full level

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